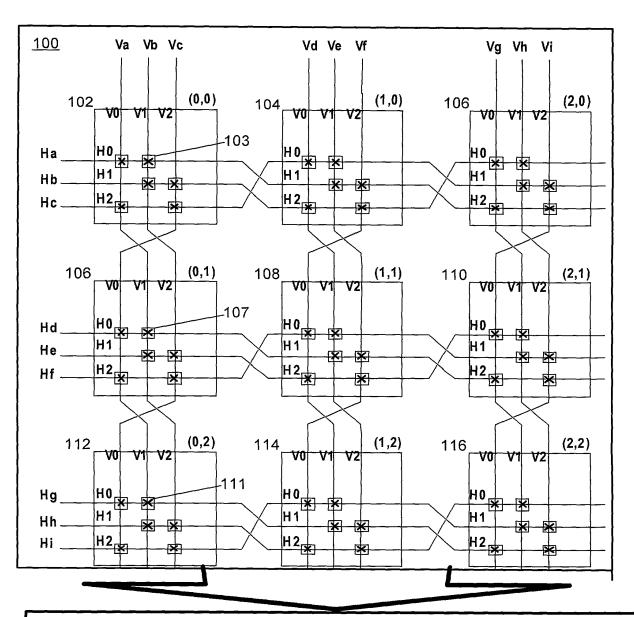
APPLN. FILING DATE: FEB. 28, 2002

TITLE: A COMPUTER READABLE MEDIUM AND A METHOD FOR REPRESENTING AN ELECTRONIC

CIRCUIT AS A ROUTING-RESOURCE GRAPH

INVENTOR(S): GREGORY S. SNIDER APPLICATION SERIAL NO: 10008138

SHEET 1 of 2



Shared Switches for Wires Ha, Hd and Hg

Switch[] switches = new Switch[6]

Horizontal Wires Ha, Hd and Hg

horizontalWires[Ha] = newWire(0, 0, switches);

horizontalWires[Hd] = newWire(0, 1, switches);

horizontalWires[Hg] = newWire(0, 2, switches):

Fig. 1

APPLN. FILING DATE: FEB. 28, 2002 TITLE: A COMPUTER READABLE MEDIUM AND A METHOD FOR REPRESENTING AN ELECTRONIC CIRCUIT AS A ROUTING-RESOURCE GRAPH **INVENTOR(S):** GREGORY S. SNIDER **APPLICATION SERIAL NO: 10008138** SHEET 2 of 2 Defining a pluarality of blocks each having a regular sub-array of switches and wires Identifying a switch at a relative location along a first wire within a first plurality of blocks Identifying another switch at the relative location along a second wire within a second plurality of blocks Defining a first wiring object with first switch information and first wire identity

information to identify a first wire

Defining a second wiring object with first switch information and second wire identity information to identify a second wire

Defining a first switch object having wire information and associated with the first and second wiring objects for identifying wires respectively connected to the first and second wires by a switch as a function of wire identity information and the wire information.

Fig. 2